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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,733	09/24/2001	Gaute Munch	2388-797	7816

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EXAMINER

CAPRON, AARON J

ART UNIT	PAPER NUMBER
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3714

DATE MAILED: 05/06/2003

7

Please find below and/or attached an Office communication concerning this application or proceeding.

YK

Office Action Summary	Application No. 09/890,733	Applicant(s) MUNCH ET AL.	
	Examiner Aaron J. Capron	Art Unit 3714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>6</u> | 6) <input type="checkbox"/> Other: |

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DETAILED ACTION

Specification

This application does not contain an abstract of the disclosure as required by 37

CFR 1.72(b). An abstract on a separate sheet is required.

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or
REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
- (e) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (f) BRIEF SUMMARY OF THE INVENTION.
- (g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (h) DETAILED DESCRIPTION OF THE INVENTION.
- (i) CLAIM OR CLAIMS (commencing on a separate sheet).
- (j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Applicant fails to categorize at least one of the above sections of the disclosure.

Applicant is required to categorize these above sections.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Haugerud et al.

(U.S. Patent No. 4,712,184; hereafter "Haugerud") in view of Chainani et al. (U.S. Patent No. 5,724,074; hereafter "Chainani").

Referring to claim 1, Haugerud discloses a microprocessor controlled toy building element comprising a microprocessor which can execute instructions in the form of a program stored in a memory (abstract); a display integrated in the toy building element (6:57-59), coupling means for coupling with building elements that can be moved by maneuvering means, the maneuvering means being controllable in response to the instructions (abstract), characterized in that the display is configured to direct patterns of movements and activated by a user for programming the microprocessor (abstract) and by signaling a pattern of movement followed by the toy building element, but does not disclose that the display incorporates icons to maneuver the toy building element. However, Chainani discloses a home computer in connection with a programmable toy that maneuvers the programmable toy by icons displayed on the personal computer (Figure 7) in order to allow children to program a toy microprocessor (1:57-64). The two references are analogous since both refer to controlling a programmable toy through the use of a personal computer. One would be motivated to combine the references in

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order to allow Haugerud's system to be more acceptable for a young child to program and maneuver the remote control device. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the maneuvering icons of Chainani into the device of Haugerud in order to be more acceptable for a young child to program and maneuver the remote control device.

Referring to claim 2, Haugerud and Chainani disclose the type of icons is configured to illustrate modifications of patterns of movements (Chainani: Figure 7).

Referring to claim 3, Haugerud and Chainani disclose that the toy comprises means for generating a first set of instructions comprising parameters upon activation of a first type of icons which instructions and/or parameters may be modified by activation of a second type of icons (Chainani: Figure 7- item 158).

Referring to claim 4, Haugerud and Chainani disclose the microprocessor is adapted to receive signals from electrical and/or electronic units.

Referring to claim 5, Haugerud and Chainani disclose that a first group of rules is conditioned by a first group of signals and that a second group of rules is conditioned by a second group of signals (Chainani: Figure 7- item 158- "Move L90, 3, @60; Lights On;").

Referring to claim 6, Haugerud and Chainani disclose instructions corresponding to one icon implement one rule by controlling the maneuvering means in response to signals from electrical and/or electronic units.

Referring to claim 7, Haugerud and Chainani disclose the microprocessor executes rules in the form of instructions which control units, the rules being conditioned by a plurality of signals (Chainani: moving forward and changing the direction of the wheels to turn, turning the

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lights on and beeping the horn), the prioritized order indicating which one of the several rules is to be allowed to control a unit (Chainani: Figure 7), the order being arranged accordingly to the signals by which they are conditioned (Chainani: Figure 7).

Referring to claim 8, Haugerud and Chainani disclose characterized in that the toy comprises keys integrated in the toy, the keys being capable of activating the icons (Chainani: Figure 2-item 29).

Referring to claim 9, Haugerud and Chainani disclose the toy comprises communication means for receiving commands that can be converted into a program that can be executed by the microprocessor (Chainani: Figure 2, item 40).

Referring to claim 10, Haugerud and Chainani disclose the toy comprises communication means for transmission of commands (Chainani: Figure 1: the personal computer 10 transmits information to the remote control device).

Referring to claim 11, Haugerud and Chainani disclose the toy comprises communication means for transferring information via a light guide (Chainani: 5:40-67).

Referring to claim 12, Haugerud and Chainani disclose the toy comprises an elongated light guide through which visible light may be transmitted in its longitudinal direction, the light guide being adapted to allow part of the light transmitted to escape through it sides (Chainani: 5:40-67).

Referring to claim 13, Haugerud and Chainani disclose toy building elements with coupling means for mutual coupling (Chainani: Figure 2).

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron J. Capron whose telephone number is (703) 305-3520. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Hughes can be reached on (703) 308-1806. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9302 for regular communications and (703) 872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1148.

ajc
April 29, 2003



MARK SAGER
PRIMARY EXAMINER